Astronomy Bandpass Filter, Kron-Cousins, IR 50 x 50mm

Astronomy Bandpass Filters

Stock **#21-119** **1 In Stock**

- 1 + **₹64,616**

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Qty 1-5	**₹64,616** each
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SPECIFICATIONS

General

Type of Filter:
Kron-Cousins, I

Type:

Bandpass Filter

Physical & Mechanical Properties

Dimensions (mm):	50 x 50
Thickness (mm):	5.00 ±0.1
Dimensional Tolerance (mm):	+0/-0.25
Parallelism (arcsec):	<30

Optical Properties

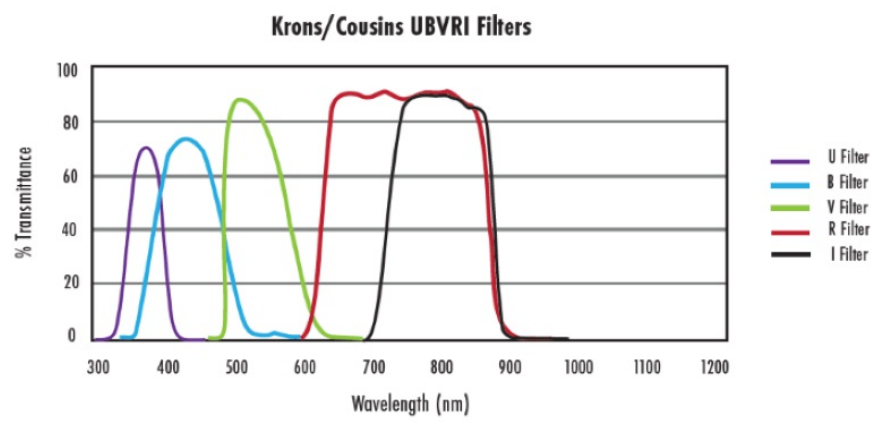
Center Wavelength CWL (nm):	900.00
Full Width-Half Max FWHM (nm):	175.00
Minimum Transmission (%):	>70
Surface Quality:	60-40
Transmitted Wavefront, RMS:	λ/4

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
REACH 241:	Compliant

PRODUCT DETAILS

- Filter and Measure Light from Astronomical Objects
- Ideal for Photometric Calibration
- UBVRI Filters

Astronomy Bandpass Filters are used to filter out and measure specific bands of light emitted by astronomical and celestial objects. Johnson/Bessel filters are well suited for use with photomultiplier tubes and Kron/Cousin filters are well suited for use with Silicon sensors because of the sensors' responsivity. Both types of filters utilize identical UV (U), Blue (B), and Violet (V) filters. However, the Red (R) and Infrared (I) filters are optimized for use with either a photomultiplier tube or silicon CCD detector. Astronomy Bandpass Filters have precisely controlled thicknesses to minimize the common problem of refocusing when changing filters.

TECHNICAL INFORMATION